What is claimed is:

Cl 1-23 Process of printing class sh

1. A process for making stock material for a container body of an insulating paper container, said process comprising the steps of:

laminating a low m.p. thermoplastic synthetic resin film expandable by a heating treatment on an outer wall surface of a base paper forming stock material for an insulating paper container; and

applying to the surface of said low m.p. thermoplastic synthetic resin film a compatibly expansile ink adapted to be expansile compatibly with the expansion of said film.

2. The process according to claim 1, and further including a step of applying a primer of compatibly expansile ink to said surface of said low m.p. thermoplastic synthetic resin film.

3. The process according to claim 2, wherein the compatibly expansile ink applied as said primer is of white color.

4. The process according to claim 1, and further including the step of printing indicia on the surface of said compatibly expansile ink using separately prepared compatibly expansile ink.

5. The process according to claim 2, and further including the step of printing indicia on the surface of said compatibly expansile ink using separately prepared compatibly expansile ink.

6. The process according to claim 3, and further including the step of printing indicia on the surface of said compatibly expansile ink using separately prepared compatibly expansile ink.

7. The process according to claim 1, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

8. The process according to claim 2, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

9. The process according to claim 3, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

10. The process according to claim 4, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

11. The process according to claim 1, and further including a step of laminating high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment on the inner wall surface of the base paper as stock material for the container body.

12. The process according to claim 2, and further including a step of laminating high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment on the inner wall surface of the base paper as stock material for the container body.

13. The process according to claim 3, and further including a step of laminating high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment on the inner wall surface of the base paper as stock material for the container body.

14. The process according to claim 4, and further including a step of laminating high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment on the inner wall surface of the base paper as stock material for the container body.

15. The process according to claim 7, and further including a step of laminating high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment on the inner wall surface of the base paper as stock material for the container body.

16. The process according to claim 1, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of a low density polyethylene having a MFR (melt flow rate) of 8 - 15g/10 min and a thickness of 0.03 - 0.07 mm.

17. The process according to claim 2, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of a low density polyethylene having a MFR (melt flow rate) of 8 - 15g/10 min and a thickness of 0.03 - 0.07 mm.

18. The process according to claim 3, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of a low density polyethylene having a MFR (melt flow rate) of 8 - 15g/10 min and a thickness of 0.03 - 0.07 mm.

19. The process according to claim 4, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of a low density polyethylene having a MFR (melt flow rate) of 8 - 15g/10 min and a thickness of 0.03 - 0.07 mm.

20. The process according to claim 7, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of a low density polyethylene having a MFR (melt flow rate) of 8 - 15g/10 min and a thickness of 0.03 - 0.07 mm.

21. The process according to claim 11, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of a low density polyethylene having a MFR (melt flow rate) of 8 - 15g/10 min and a thickness of 0.03 - 0.07 mm.

22. The process according to claim 11, wherein the high m.p. thermoplastic synthetic resin film being unexpanded even by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

23. The process according to claim 1, wherein the base paper is obtained from one of a fortlinear paper machine and a cylinder paper machine.

Cls 24-99 stock mat'l & container

24. Stock material for a container body of an insulating paper container, said stock material comprising:

base paper;

a high m.p. thermoplastic synthetic resin film laminated on the inner wall surface of said base paper;

a low m.p. thermoplastic synthetic resin film laminated on the outer wall surface of said base paper wherein said low m.p. thermoplastic synthetic resin film is expandable by heat treatment; and

a compatibly expansile ink applied on an outer surface of said low m.p. thermoplastic synthetic resin film.

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25. Stock material according to claim 24, wherein said compatibly expansile ink is applied on the upper surface of the low m.p. thermoplastic synthetic resin film being expandable by heat treatment as a primer.

26. The stock material according to claim 25, wherein said compatibly expansile ink applied as said primer is white.

27. The stock material according to claim 24, wherein the outer surface of said compatibly expansile ink is printed with indicia using separately prepared compatibly expansile ink.

28. The stock material according to claim 25, wherein the outer surface of said compatibly expansile ink is printed with indicia using separately prepared compatibly expansile ink.

29. The stock material according to claim 26, wherein the outer surface of said compatibly expansile ink is printed with indicia using separately prepared compatibly expansile ink.

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30. The stock material according to claim 24, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with a layer of self-expansile ink.

31. The stock material according to claim 25, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with a layer of self-expansile ink.

32. The stock material according to claim 26, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with a layer of self-expansile ink.

33. The stock material according to claim 27, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with a layer of self-expansile ink.

34. The stock material according to claim 24, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 - 15 g/10 min and a thickness of 0.03 - 0.07 mm.

35. The stock material according to claim 25, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 - 15 g/10 min and a thickness of 0.03 - 0.07 mm.

36. The stock material according to claim 26, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 - 15 g/10 min and a thickness of 0.03 - 0.07 mm.

37. The stock material according to claim 27, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 - 15 g/10 min and a thickness of 0.03 - 0.07 mm.

Sub B2 concl

38. The stock material according to claim 30, wherein the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 - 15 g/10 min and a thickness of 0.03 - 0.07 mm.

39. The stock material according to claim 24, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

40. The stock material according to claim 25, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

41. The stock material according to claim 26, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

42. The stock material according to claim 27, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

43. The stock material according to claim 30, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

44. The stock material according to claim 34, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

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45. An insulating paper container generally comprising a container body and a bottom wall, said insulating paper container further comprising:

a high m.p. thermoplastic synthetic resin film laminated on the inner wall surface of a base paper for said container body and said bottom wall;

a low m.p. thermoplastic synthetic resin film laminated on the outer wall surface of said base paper for said container body;

a compatibly expansile ink applied on the outer surface of said low m.p. thermoplastic synthetic resin film so that said ink may follow expansion of said low m.p. thermoplastic synthetic resin film; and

wherein said low m.p. thermoplastic synthetic resin film is expanded by subjecting the lamination to heating treatment.

Sub A2 Cont'd

46. The insulating paper container according to claim 45, wherein the upper surface of the low m.p. thermoplastic synthetic resin film being expandable by heating treatment is applied with said compatibly expansile ink as primer.

47. The insulating paper container according to claim 46, wherein said compatibly expansile ink applied as said primer is white.

48. The insulating paper container according to claim 45, wherein the upper surface of said compatibly expansile ink is printed with indicia using separately prepared compatibly expansile ink.

49. The insulating paper container according to claim 46, wherein the upper surface of said compatibly expansile ink is printed with indicia using separately prepared compatibly expansile ink.

50. The insulating paper container according to claim 47, wherein the upper surface of said compatibly expansile ink is printed with indicia using separately prepared compatibly expansile ink.

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51. The insulating paper container according to claim 45, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with self-expansile ink.

52. The insulating paper container according to claim 46, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with self-expansile ink.

53. The insulating paper container according to claim 47, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with self-expansile ink.

54. The insulating paper container according to claim 48, wherein an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film is at least partially filled with self-expansile ink.

55. The insulating paper container according to claim 45, wherein the low m.p. thermoplastic synthetic resin film is laminated on the outer wall surface of the base paper for the bottom wall and said low m.p. thermoplastic synthetic resin film is expanded by subjecting the lamination to heating treatment.

56. The insulating paper container according to claim 46, wherein the low m.p. thermoplastic synthetic resin film is laminated on the outer wall surface of the base paper for the bottom wall and said low m.p. thermoplastic synthetic resin film is expanded by subjecting the lamination to heating treatment.

57. The insulating paper container according to claim 47, wherein the low m.p. thermoplastic synthetic resin film is laminated on the outer wall surface of the base paper for the bottom wall and said low m.p. thermoplastic synthetic resin film is expanded by subjecting the lamination to heating treatment.

58. The insulating paper container according to claim 48, wherein the low m.p. thermoplastic synthetic resin film is laminated on the outer wall surface of the base paper for the bottom wall and said low m.p. thermoplastic synthetic resin film is expanded by subjecting the lamination to heating treatment.

59. The insulating paper container according to claim 51, wherein the low m.p. thermoplastic synthetic resin film is laminated on the outer wall surface of the base paper for the bottom wall and said low m.p. thermoplastic synthetic resin film is expanded by subjecting the lamination to heating treatment.

60. The insulating paper container according to claim 45, wherein the low m.p. thermoplastic synthetic resin film is laminated on the upper surface of the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment, said high m.p. thermoplastic synthetic resin film, in turn, being laminated on the inner wall surface of the base paper for the bottom wall of the insulating paper container, and the low m.p. thermoplastic synthetic resin film laminated on the base paper for the container body of the insulating paper container is expanded by subjecting the lamination to heating.

61. The insulating paper container according to claim 46, wherein the low m.p. thermoplastic synthetic resin film is laminated on the upper surface of the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment, said high m.p. thermoplastic synthetic resin film, in turn, being laminated on the inner wall surface of the base paper for the bottom wall of the insulating paper container, and the low m.p. thermoplastic synthetic resin film laminated on the base paper for the container body of the insulating paper container is expanded by subjecting the lamination to heating.

62. The insulating paper container according to claim 47, wherein the low m.p. thermoplastic synthetic resin film is laminated on the upper surface of the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment, said high m.p. thermoplastic synthetic resin film, in turn, being laminated on the inner wall surface of the base paper for the bottom wall of the insulating paper container, and the low m.p.

thermoplastic synthetic resin film laminated on the base paper for the container body of the insulating paper container is expanded by subjecting the lamination to heating.

63. The insulating paper container according to claim 48, wherein the low m.p. thermoplastic synthetic resin film is laminated on the upper surface of the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment, said high m.p. thermoplastic synthetic resin film, in turn, being laminated on the inner wall surface of the base paper for the bottom wall of the insulating paper container, and the low m.p. thermoplastic synthetic resin film laminated on the base paper for the container body of the insulating paper container is expanded by subjecting the lamination to heating.

64. The insulating paper container according to claim 51, wherein the low m.p. thermoplastic synthetic resin film is laminated on the upper surface of the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment, said high m.p. thermoplastic synthetic resin film, in turn, being laminated on the inner wall surface of the base paper for the bottom wall of the insulating paper container, and the low m.p. thermoplastic synthetic resin film laminated on the base paper for the container body of the insulating paper container is expanded by subjecting the lamination to heating.

65. The insulating paper container according to claim 55, wherein the low m.p. thermoplastic synthetic resin film is laminated on the upper surface of the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment, said high m.p. thermoplastic synthetic resin film, in turn, being laminated on the inner wall surface of the base paper for the bottom wall of the insulating paper container, and the low m.p. thermoplastic synthetic resin film laminated on the base paper for the container body of the insulating paper container is expanded by subjecting the lamination to heating.

66. The insulating paper container according to claim 45, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

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67. The insulating paper container according to claim 46, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

68. The insulating paper container according to claim 47, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

69. The insulating paper container according to claim 48, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

70. The insulating paper container according to claim 51, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

71. The insulating paper container according to claim 55, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

72. The insulating paper container according to claim 60, wherein the low m.p. thermoplastic synthetic resin film is expandable by heating treatment is made of low density polyethylene having a MFR (melt flow rate) of 8 – 15 g/10 min and a thickness of 0.03 - 0.07 mm.

73. The insulating paper container according to claim 45, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

74. The insulating paper container according to claim 46, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

75. The insulating paper container according to claim 47, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

76. The insulating paper container according to claim 48, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

77. The insulating paper container according to claim 51, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

78. The insulating paper container according to claim 55, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

79. The insulating paper container according to claim 60, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

80. The insulating paper container according to claim 66, wherein the high m.p. thermoplastic synthetic resin film being unexpanded by heating treatment is made of medium polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

81. The insulating paper container according to claim 45, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

82. The insulating paper container according to claim 46, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

83. The insulating paper container according to claim 47, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

84. The insulating paper container according to claim 48, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

85. The insulating paper container according to claim 51, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

86. The insulating paper container according to claim 55, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

87. The insulating paper container according to claim 60, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

88. The insulating paper container according to claim 66, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

89. The insulating paper container according to claim 73, wherein the base paper has a basis weight of 150 - 350 g/m^2 and a moisture content of 5 - 9%.

90. The insulating paper container according to claim 45, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

91. The insulating paper container according to claim 46, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

92. The insulating paper container according to claim 47, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

93. The insulating paper container according to claim 48, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

94. The insulating paper container according to claim 51, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

95. The insulating paper container according to claim 55, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

96. The insulating paper container according to claim 60, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

97. The insulating paper container according to claim 66, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

98. The insulating paper container according to claim 73, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

99. The insulating paper container according to claim 81, wherein the base paper is product obtained by one of a fortlinear paper machine and a cylinder paper machine.

Cls 100-144 Process for making a container

100. A process for making an insulating paper container generally comprising a container body and a bottom wall, said process comprising steps of:

laminating a high m.p. thermoplastic synthetic resin film on the inner wall surface of base paper for said container body and bottom wall;

laminating a low m.p. thermoplastic synthetic resin film on the outer wall surface of the base paper for said container body;

applying to the outer surface of said low m.p. thermoplastic synthetic resin film a compatibly expansile ink so that said ink may follow expansion of said low m.p. thermoplastic synthetic resin film; and

after the container has been formed by said container body and bottom wall, expanding said low m.p. thermoplastic synthetic resin film by subjecting the lamination to heating.

101. The process according to claim 100, further including a step of applying the surface of said low m.p. thermoplastic synthetic resin film to be expanded by heating treatment with said compatibly expansile ink as a primer.

102. The process according to claim 101, wherein said compatibly expansile ink applied as said primer is white.

103. The process according to claim 100, and further including a step of printing the outer surface of said compatibly expansile ink with indicia using separately prepared compatibly expansile ink.

104. The process according to claim 101, and further including a step of printing the outer surface of said compatibly expansile ink with indicia using separately prepared compatibly expansile ink.

105. The process according to claim 102, and further including a step of printing the outer surface of said compatibly expansile ink with indicia using separately prepared compatibly expansile ink.

106. The process according to claim 100, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

107. The process according to claim 101, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

108. The process according to claim 102, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

109. The process according to claim 103, and further including a step of at least partially filling an interface defined between the base paper and the low m.p. thermoplastic synthetic resin film with a layer of self-expansile ink.

110. The process according of claim 100, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the outer wall surface of the base paper for the bottom wall and expanding said low m.p. thermoplastic synthetic resin film by subjecting the lamination to heating.

111. The process according of claim 101, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the outer wall surface of the base paper for the bottom wall and expanding said low m.p. thermoplastic synthetic resin film by subjecting the lamination to heating.

112. The process according of claim 102, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the outer wall surface of the base paper for the bottom wall and expanding said low m.p. thermoplastic synthetic resin film by subjecting the lamination to heating.

113. The process according of claim 103, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the outer wall surface of the base paper for the bottom wall and expanding said low m.p. thermoplastic synthetic resin film by subjecting the lamination to heating.

114. The process according of claim 106, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the outer wall surface of the base paper for the bottom wall and expanding said low m.p. thermoplastic synthetic resin film by subjecting the lamination to heating.

115. The process according to claim 100, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment and laminated on inner wall surface of the base paper for the bottom wall of the insulating paper container and expanding the low m.p. thermoplastic synthetic in film associated with the container body by subjecting the lamination to heating.

116. The process according to claim 101, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment and laminated on inner wall surface of the base paper for the bottom wall of the insulating paper container and expanding the low m.p. thermoplastic synthetic in film associated with the container body by subjecting the lamination to heating.

117. The process according to claim 102, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment and laminated on inner wall surface of the base paper for the bottom wall of the insulating paper container and expanding the low m.p. thermoplastic synthetic in film associated with the container body by subjecting the lamination to heating.

118. The process according to claim 103, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment and laminated on inner wall surface of the base paper for the bottom wall of the insulating paper container and expanding the low m.p.

thermoplastic synthetic in film associated with the container body by subjecting the lamination to heating.

119. The process according to claim 106, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment and laminated on inner wall surface of the base paper for the bottom wall of the insulating paper container and expanding the low m.p. thermoplastic synthetic in film associated with the container body by subjecting the lamination to heating.

120. The process according to claim 110, and further including the steps of laminating the low m.p. thermoplastic synthetic resin film on the high m.p. thermoplastic synthetic resin film which is unexpanded even by heating treatment and laminated on inner wall surface of the base paper for the bottom wall of the insulating paper container and expanding the low m.p. thermoplastic synthetic in film associated with the container body by subjecting the lamination to heating.

121. The process according to claim 100, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

122. The process according to claim 101, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

123. The process according to claim 102, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

124. The process according to claim 103, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

125. The process according to claim 106, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

126. The process according to claim 110, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

127. The process according to claim 115, wherein the low m.p. thermoplastic synthetic resin film which is expandable by heating treatment and constituting the stock material for the container body of the insulating paper container is made of low density polyethylene having a MFR (melt flow rate) of 8 15 g/10 min and a thickness of 0.03 - 0.07 mm.

128. The process according to claim 100, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

129. The process according to claim 101, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

130. The process according to claim 102, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

131. The process according to claim 103, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

132. The process according to claim 106, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

133. The process according to claim 110, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

134. The process according to claim 115, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

135. The process according to claim 121, wherein the high m.p. thermoplastic synthetic resin film which is unexpanded by heating treatment is made of medium density polyethylene having a MFR (melt flow rate) of 4 - 8 g/10 min.

136. The process according to claim 100, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

137. The process according to claim 101, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

138. The process according to claim 102, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

139. The process according to claim 103, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

140. The process according to claim 106, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

141. The process according to claim 110, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

142. The process according to claim 115, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

143. The process according to claim 121, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

144. The process according to claim 128, wherein the heating treatment is carried out at a temperature of 120 - 130°C for 2 - 4 min.

Add B6